

lost: who killed steve!?

Name: _____

Period: _____

ACCOUNTABILITY: ON TIME ☺ LATE

Need to submit revisions? YES NO ☺

Skills or Knowledge	A 4.0	B 3.0	C 2.0	I 1.0	I 0
Essential Skill #5: Understand the relationship between functions and their inverses.	<input type="checkbox"/> Group successfully develops equation to model both coffee cooling AND body cooling with no error. <input type="checkbox"/> Graph of coffee experiment data and coffee equation is detailed, accurate and complete. <input type="checkbox"/> Table is mathematically accurate and correctly follows the coffee cooling experiment data.	<input type="checkbox"/> Group successfully develops equation to model both coffee cooling AND body cooling with very minor error. <input type="checkbox"/> Graph of coffee experiment data and coffee equation is complete, but may contain a few errors <input type="checkbox"/> Table is mathematically accurate and correctly follows the coffee cooling experiment data with only one or two minor errors.	<input type="checkbox"/> Group develops equation to model both coffee cooling AND body cooling with a few errors <input type="checkbox"/> Graph of coffee experiment data and coffee equation is complete, but may contain a few errors. <input type="checkbox"/> Table is mathematically accurate and correctly follows the coffee cooling experiment data with a few errors.	<input type="checkbox"/> Group fails to develop equation to model both coffee cooling AND body cooling. <input type="checkbox"/> Graph of coffee experiment data and coffee equation may be incomplete or contain several errors. <input type="checkbox"/> Table is incorrect according to the coffee cooling experiment data.	Insufficient Evidence
Essential Skill #7: Use logarithms to solve exponential functions	<input type="checkbox"/> Successfully solves exponential function for time coffee reaches a certain temperature. <input type="checkbox"/> Successfully solves exponential function to find how long the body has been dead. <input type="checkbox"/> Uses solution and possibly graph to successfully determine Steve's time of death and who possible suspects are.	<input type="checkbox"/> Successfully solves exponential function for time coffee reaches a certain temperature with minor error. <input type="checkbox"/> Successfully solves exponential function to find how long the body has been dead with minor error. <input type="checkbox"/> Uses solution and possibly graph to successfully determine Steve's time of death and who possible suspects are with minor error.	<input type="checkbox"/> Successfully solves exponential function for time coffee reaches a certain temperature with a few errors. <input type="checkbox"/> Successfully solves exponential function to find how long the body has been dead with a few errors. <input type="checkbox"/> Uses solution and possibly graph to determine Steve's time of death and who possible suspects are with a few errors.	<input type="checkbox"/> Fails to solve exponential function for time coffee reaches a certain temperature. <input type="checkbox"/> Fails to solve exponential function to find how long the body has been dead. <input type="checkbox"/> Fails to determine Steve's time of death and possible suspects.	Insufficient Evidence
21st Century Skills: Communication	Group references supporting mathematical documents/models in a way that appropriately enhances the argument and clearly demonstrates understanding.	Group references supporting mathematical documents/models in a way that enhances the argument and adequately demonstrates understanding.	Group sometimes references supporting mathematical documents/models and demonstrates understanding.	Group does not reference supporting mathematical documents/models and does not demonstrate understanding	Insufficient evidence
21st Century Skills: Problem-solving	Deliverable clearly demonstrates problem-solving process in a meaningful format. Works through experiment and Steve's case in detailed and logical manner.	Deliverable demonstrates problem-solving process in a meaningful format. Works through experiment and Steve's case in detailed and logical manner.	Deliverable demonstrates problem-solving process with some success. Works through experiment and Steve's case in logical manner.	Deliverable fails to demonstrate the problem-solving process. Does not work through experiment and Steve's case in an effective manner.	
Habits of Mind: Quality	Mathematics is done clearly, in detail and is easy to follow. Exhibit A & B reports are typed, organized, and detailed. Closing argument is creative, paced well, and well edited. It is clear that significant effort was put into the project.	Mathematics is done clearly, in detail and is relatively easy to follow. Exhibit A & B reports are typed, relatively organized, and detailed. Closing argument is creative, paced and edited relatively well. It is clear that much effort was put into the project.	Mathematics is done somewhat clearly and in detail. Exhibit A & B reports are neatly written/typed and detailed. Closing argument is paced well and edited somewhat cleanly. It is clear that some effort was put into the project.	Mathematics is difficult to follow. Exhibit A & B reports are missing or incomplete. Closing argument is unclear. Presentation does not demonstrate much effort was put into the project.	Insufficient Evidence
Habits of Mind: Collaboration (Graded on an individual basis)	Deliverable demonstrates much effort from all group members. Each group member has contributed an equal and significant portion to the final deliverable. Group members indicate that the group worked well together, cooperating, sharing responsibilities, and communicating effectively. Worked well through setbacks.	Deliverable demonstrates effort from all group members. Each group member has contributed an equal portion to the final deliverable. Group members indicate that the group worked relatively well together, cooperating, sharing responsibilities, and communicating. Setbacks may have impeded final deliverable.	Deliverable demonstrates some effort from all group members. Each group member has contributed to the final deliverable. Group members indicate that the group sometimes worked well together, shared responsibilities, and communicating effectively. Setbacks may have impeded final deliverable.	Deliverable demonstrates little effort from all group members. Each group member did not contribute to the final deliverable. Group members indicate that the group did not work well together, share responsibilities, nor communicate effectively. Setbacks impeded final deliverable.	Insufficient Evidence.